FLORENCE COPPER INC.



1575 W. Hunt Highway, Florence, Arizona 85132 USA

florencecopper.com

December 22, 2020

David Albright Manager, Groundwater Protection Section USEPA Region 9 (WTR-4-2) 75 Hawthorne Street San Francisco, CA 94105

Re: Transmittal of Quarterly Temperature Logging Summary, Q4 2020 Production Test Facility Westbay Wells: WB-01, WB-02, WB-03, and WB-04 Florence Copper Project, Florence Arizona

Dear Mr. Albright:

Florence Copper Inc. herewith transmits the enclosed Technical Memorandum, *Quarterly Temperature Logging Summary, Q4 2020, Production Test Facility Westbay Wells: WB-01, WB-02, WB-03, and WB-04, Florence Copper Project, Florence Arizona.*

Please contact me at 520-316-3710 if you require any additional information.

Sincerely, Florence Copper Inc.

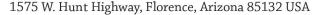
Brent Berg General Manager

cc: Nancy Rumrill, U.S. Environmental Protection Agency

Enclosure



FLORENCE COPPER INC.



florencecopper.com



TECHNICAL MEMORANDUM

TO: David Albright

USEPA Region 9

FROM: Brent Berg

Florence Copper

DATE: December 22, 2020

SUBJECT: Quarterly Temperature Logging Summary, Q4 2020

Production Test Facility Westbay Wells: WB-01, WB-02, WB-03, and WB-04

Florence Copper Inc., Florence, Arizona

Introduction

This Technical Memorandum presents the results of temperature logging for Production Test Facility (PTF) Westbay wells WB-01, WB-02, WB-03, and WB-04 during December 2020 for Florence Copper Inc. (Florence Copper) in Florence, Arizona. Westbay wells WB-01, WB-02, WB-03, and WB-04 are located within the Underground Injection Control (UIC) Permitted Area of Review for UIC Permit R9UIC-AZ3-FY11-1 and were completed as Class III multi-level monitoring wells for the PTF (Figure 1).

Florence Copper contracted Southwest Exploration Services, LLC to perform temperature logging to verify the absence of fluid movement through vertical channels adjacent to the well, in accordance with the 25 July 2019 UIC Permit Minor Modification.

Wells Logged

Florence Copper completed temperature logging of Westbay wells WB-01, WB-02, WB-03, and WB-04. Temperature runs were completed at least 4 hours apart after the wells had been shut in for 24 hours. The temperature logs were performed as listed in the following table.

Well ID	Temperature Log Date	Temperature Log Run 1 Time	Temperature Log Run 2 Time
WB-01	12/1/2020	8:40 AM	12:47 PM
WB-02	12/1/2020	9:36 AM	13:41 PM
WB-03	12/1/2020	7:46 AM	11:48 AM
WB-04	12/1/2020	6:40 AM	10:40 AM

As-built diagrams of the Westbay wells are provided in Appendix A and the temperature logs are provided in Appendix B. Daily average flow rates for the injection and recovery wells, and daily average water level elevations for the recovery and observation wells, are provided in Appendix C for the day temperature logs were conducted.

Findings

The temperature logging results for Westbay wells WB-01, WB-02, WB-03, and WB-04 show no anomalies that would indicate that there is flow behind the well casings. The temperature logs for each logging event reflect similar instrument readings for both the initial and secondary runs, resulting in parallel temperature traces on each of the log records for the entirety of the well.

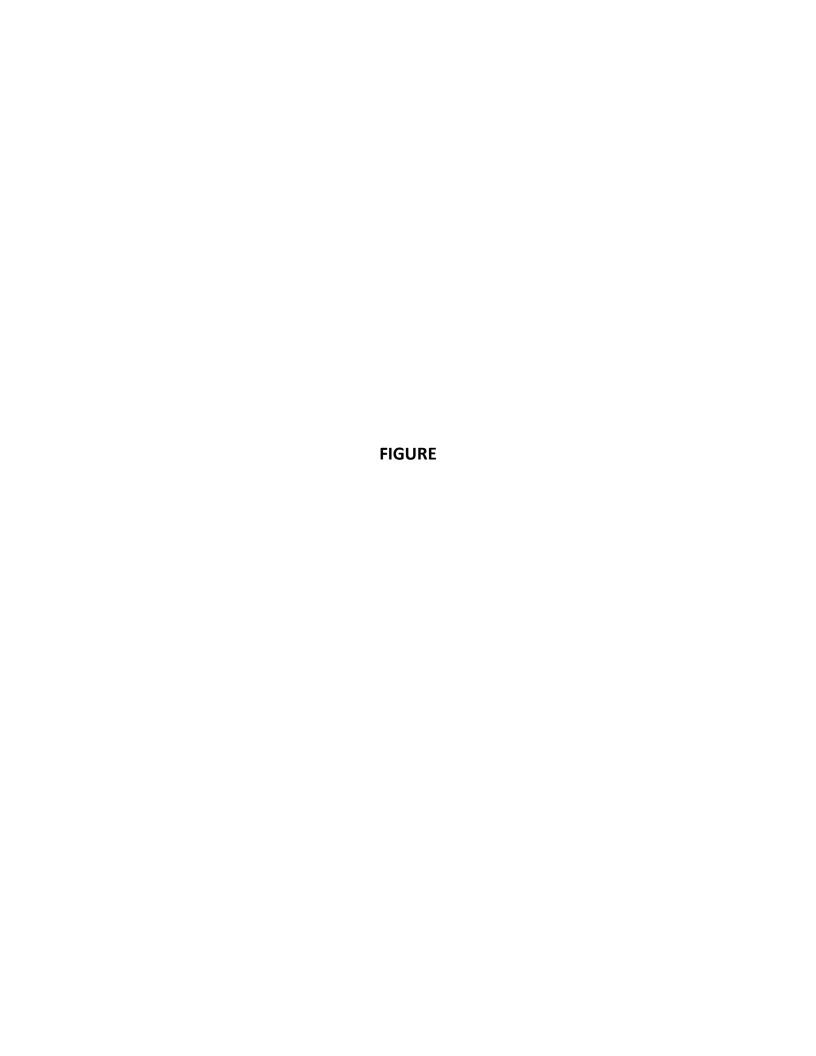
Enclosures:

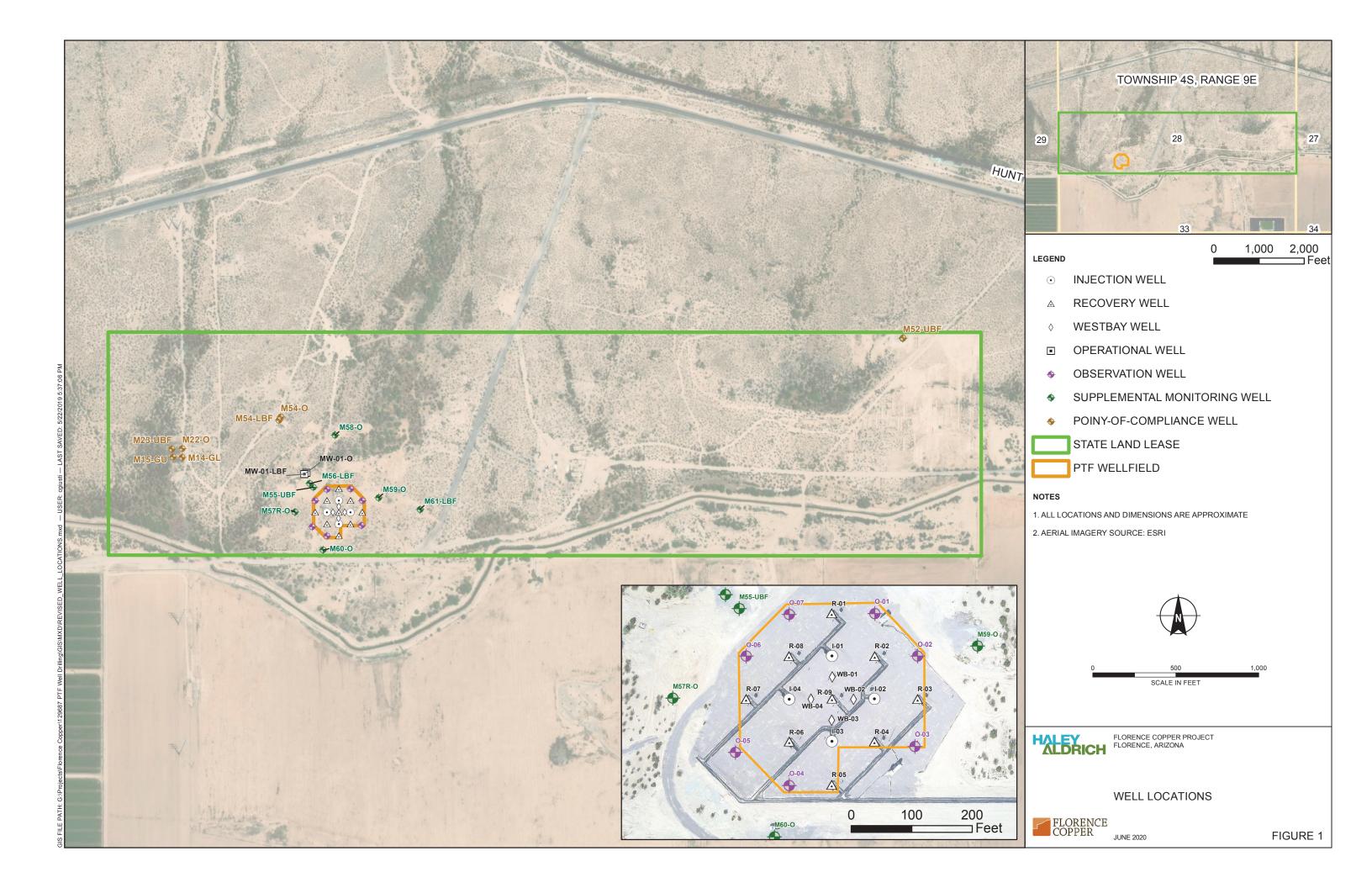
Figure 1 – Well Locations

Appendix A – Westbay Well As-Built Diagrams

Appendix B – Q4 2020 Temperature Logs

Appendix C – Daily Average Flow Rates and Water Level Elevations





APPENDIX A

Westbay Well As-Built Diagrams

- 1. WELL REGISTRATION NO.: 55-227226
- 2. CADASTRAL LOCATION: D(4-9) 28 CAC
- 3. MEASURING POINT ELEVATION: 1479.34 FEET AMSL
- 4. I.D. = INSIDE DIAMETER
- 5. O.D. = OUTSIDE DIAMETER
- 6. PVC = POLYVINYL CHLORIDE
- 7. FRP = FIBERGLASS REINFORCED PLASTIC
- 8. ACD = ANNULAR CONDUCTIVITY DEVICE
- 9. DOWNHOLE EQUIPMENT INSTALLED BY WESTBAY **INSTRUMENTS**



PRODUCTION TEST FACILITY FLORENCE COPPER, INC. FLORENCE, ARIZONA

WB-01 WESTBAY WELL **AS-BUILT DIAGRAM**



- 1. WELL REGISTRATION NO.: 55-227227
- 2. CADASTRAL LOCATION: D(4-9) 28 CAC
- 3. MEASURING POINT ELEVATION: 1478.75 FEET AMSL
- 4. I.D. = INSIDE DIAMETER
- 5. O.D. = OUTSIDE DIAMETER
- 6. PVC = POLYVINYL CHLORIDE
- 7. FRP = FIBERGLASS REINFORCED PLASTIC
- 8. ACD = ANNULAR CONDUCTIVITY DEVICE
- 9. DOWNHOLE EQUIPMENT INSTALLED BY WESTBAY **INSTRUMENTS**



PRODUCTION TEST FACILITY FLORENCE COPPER, INC. FLORENCE, ARIZONA

WB-02 WESTBAY WELL **AS-BUILT DIAGRAM**



- 1. WELL REGISTRATION NO.: 55-227228
- 2. CADASTRAL LOCATION: D(4-9) 28 CAC
- 3. MEASURING POINT ELEVATION: 1478.99 FEET AMSL
- 4. I.D. = INSIDE DIAMETER
- 5. O.D. = OUTSIDE DIAMETER
- 6. PVC = POLYVINYL CHLORIDE
- 7. FRP = FIBERGLASS REINFORCED PLASTIC
- 8. ACD = ANNULAR CONDUCTIVITY DEVICE
- 9. DOWNHOLE EQUIPMENT INSTALLED BY WESTBAY **INSTRUMENTS**



PRODUCTION TEST FACILITY FLORENCE COPPER, INC. FLORENCE, ARIZONA

WB-03 WESTBAY WELL **AS-BUILT DIAGRAM**



Layout:

Printed: 8/31/2018 2:54

GITA

- 1. WELL REGISTRATION NO.: 55-227229
- 2. CADASTRAL LOCATION: D(4-9) 28 CAC
- 3. MEASURING POINT ELEVATION: 1479.79 FEET AMSL
- 4. I.D. = INSIDE DIAMETER
- 5. O.D. = OUTSIDE DIAMETER
- 6. PVC = POLYVINYL CHLORIDE
- 7. FRP = FIBERGLASS REINFORCED PLASTIC
- 8. ACD = ANNULAR CONDUCTIVITY DEVICE
- 9. DOWNHOLE EQUIPMENT INSTALLED BY WESTBAY **INSTRUMENTS**



PRODUCTION TEST FACILITY FLORENCE COPPER, INC. FLORENCE, ARIZONA

WB-04 WESTBAY WELL **AS-BUILT DIAGRAM**



APPENDIX B

Q4 2020 Temperature Logs

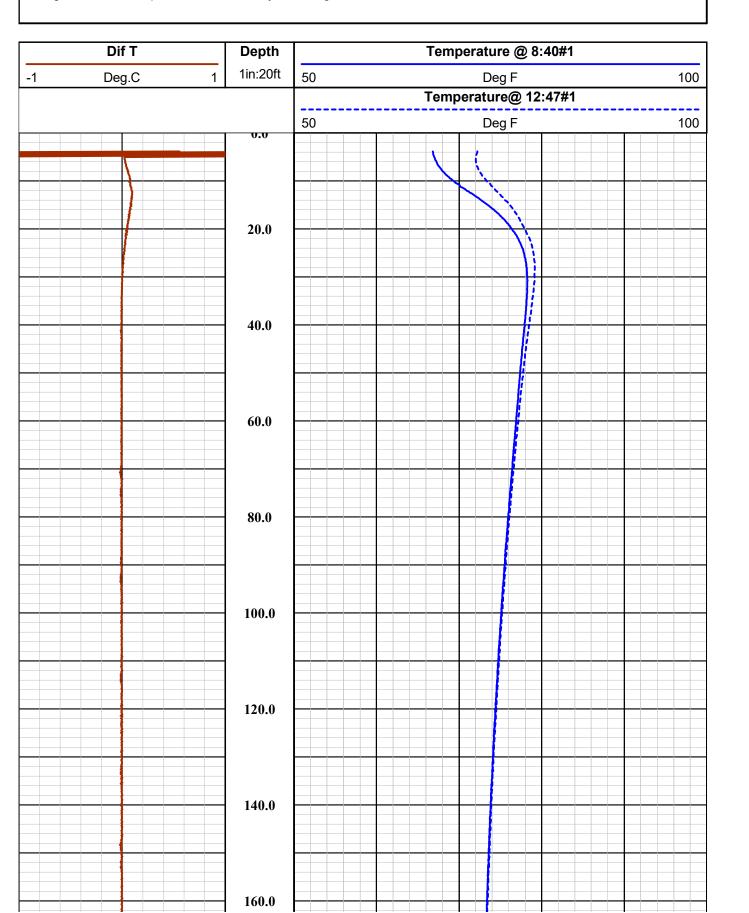
-					-			NTS:	COMMENTS:
TOTAL DEPTH	ACE	SURFACE	STEEL	5 IN.	TOTAL DEPTH	ACE	SURFACE	? IN.	
ТО	1	FROM	WGT.	SIZE	ТО	1	FROM	BIT	NO.
			ECORD	CASING RECORD		D	BOREHOLE RECORD	BOREH	RUN
	06:00	FF SITE	LOG TIME: ON SITE/OFF SITE 06:00	LOG TIME	COPPER	FLORENCE COPPER		SED BY	WITNESSED BY
MSI DLP TEMP SN 1418	MSI DI		ING/SN	TOOL STRING/SN		T. GODSEY	RECORDED BY / Logging Eng.	DED BY /	RECORI
ABLE	PORTABLE		TRUCK	LOGGING TRUCK		N/A		R/RIG#	DRILLER / RIG#
	0.2 FT.		NTERVAL	SAMPLE INTERVAL		SURFACE	TERVAL	TOP LOGGED INTERVAL	TOP LO
	N/A		IMAGE ORIENTED TO:	IMAGE OR		1154 FT	TERVAL	BTM LOGGED INTERVAL	BTM LO
EG F	94.6 DEG F		TEMP.	MAX. REC. TEMP.		1154 FT		DEPTH-LOGGER	DEPTH-
ŦŢ.	~ 202 FT.			LEVEL		1200 FT		DEPTH-DRILLER	DEPTH-
	N/A		SITY	VISCOSITY	TURE	TEMPERATURE)G	TYPE LOG
	N/A		/EIGHT	MUD WEIGHT		1 & 2			RUN No
ACID WATER	ACID V		TYPE FLUID IN HOLE	TYPE FLUI		12/1/20			DATE
	G.L.					DRILLING MEAS. FROM TOP OF CASING	FROM TO	IG MEAS.	DRILLIN
	D.F.		UM	ABOVE PERM. DATUM	ABOVE	TOP OF CASING		LOG MEAS. FROM	LOG ME
	K.B.		Į	ELEVATION			TUM	PERMANENT DATUM	PERMAI
			(ii)	RGE	TWP		SEC		
						LOCATION	LO		
	1477				N/A	MORE:			
OTHER SERVICES	OTHER N/A		JRE	PERATU	TYPE OF LOGS: TEMPERATURE	YPE OF I			
ONA	ARIZONA	STATE	ST		PINAL	COUNTY	CC		
					WELL FIELD	FIELD	FII		
				ELL 1	WESTBAY WELL 1	WELL ID	W		
				OPPER	FLORENCE COPPER	COMPANY	CC		
					3	pr.		, .	
<i>σ</i>	vices	sen	video	ysics 8	borehole geophysics & video services	boreho			
'n	Ę	ora	CAN	St E	Southwest Exploration Services, LLC	Ser	Xont		

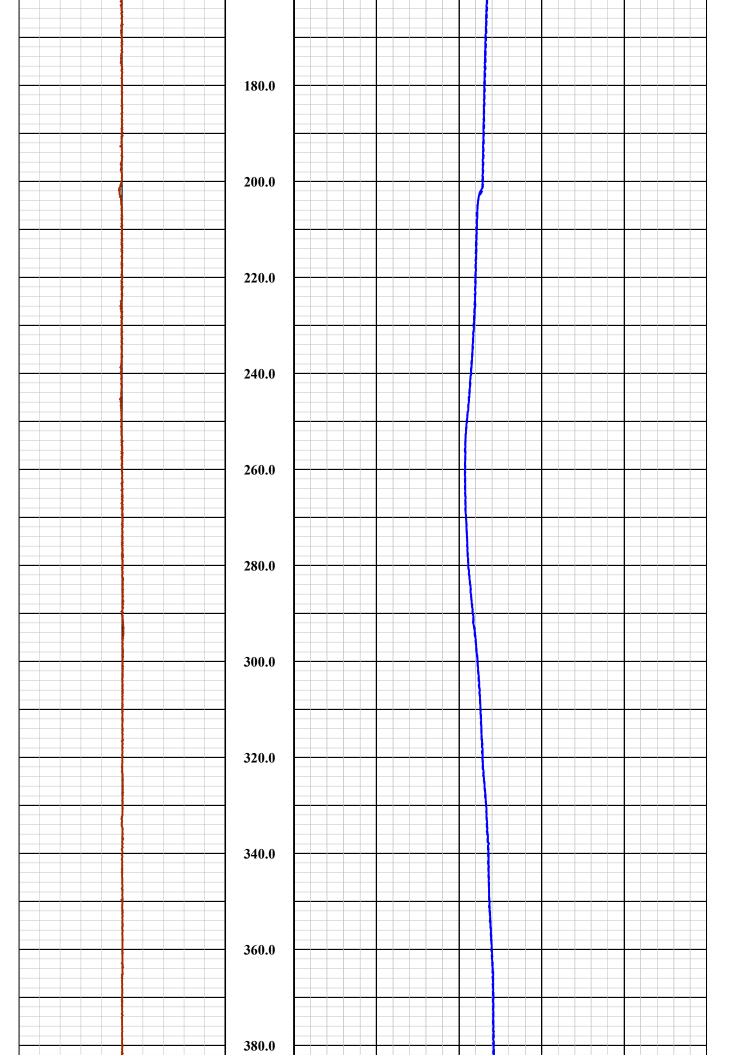
Date	12/1/20	Date	12/1/20	Date	
Run No.	1	Run No.	2	Run No.	3
Tool Model	MSI DLP TEMP	Tool Model	MSI DLP TEMP	Tool Model	
Tool SN	1418	Tool SN	1418	Tool SN	
From	SURFACE	From	SURFACE	From	
То	1157 FT	То	1157 FT	То	
Recorded By	T. GODSEY	Recorded By	T. GODSEY	Recorded By	
Truck No	PORTABLE	Truck No	PORTABLE	Truck No	
Operation Check	11/30/20	Operation Check	11/30/20	Operation Check	
Calibration Check		Calibration Check		Calibration Check	
	08:40	Time Logged Date	12:47	Time Logged Date	
Time Logged	08:40		12:47		
Date		Date		Date	6
Date Run No.	08:40	Date Run No.	12:47	Date Run No.	6
Date Run No. Tool Model		Date Run No. Tool Model		Date Run No. Tool Model	6
Date Run No. Tool Model Tool SN		Date Run No. Tool Model Tool SN		Date Run No. Tool Model Tool SN	6
Date Run No. Tool Model Tool SN From		Date Run No. Tool Model Tool SN From		Date Run No. Tool Model Tool SN From	6
Date Run No. Tool Model Tool SN From		Date Run No. Tool Model Tool SN From To		Date Run No. Tool Model Tool SN From To	6
Date Run No. Tool Model Tool SN From		Date Run No. Tool Model Tool SN From		Date Run No. Tool Model Tool SN From	6
Date Run No. Tool Model Tool SN From To Recorded By Truck No		Date Run No. Tool Model Tool SN From To Recorded By Truck No		Date Run No. Tool Model Tool SN From To Recorded By Truck No	6
Date Run No. Tool Model Tool SN From To Recorded By		Date Run No. Tool Model Tool SN From To Recorded By		Date Run No. Tool Model Tool SN From To Recorded By	
Date Run No. Tool Model Tool SN From To Recorded By Truck No Operation Check		Date Run No. Tool Model Tool SN From To Recorded By Truck No Operation Check		Date Run No. Tool Model Tool SN From To Recorded By Truck No Operation Check	

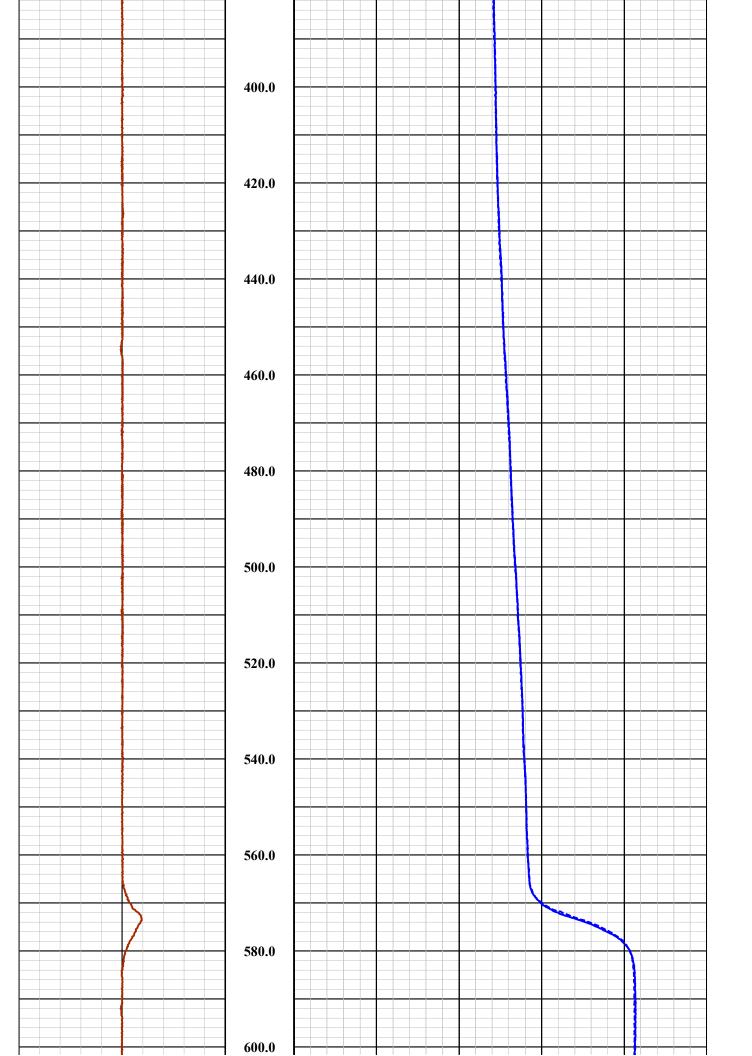
E-Log Calibration Range: _	N/A	Calibration Points:	N/A	_

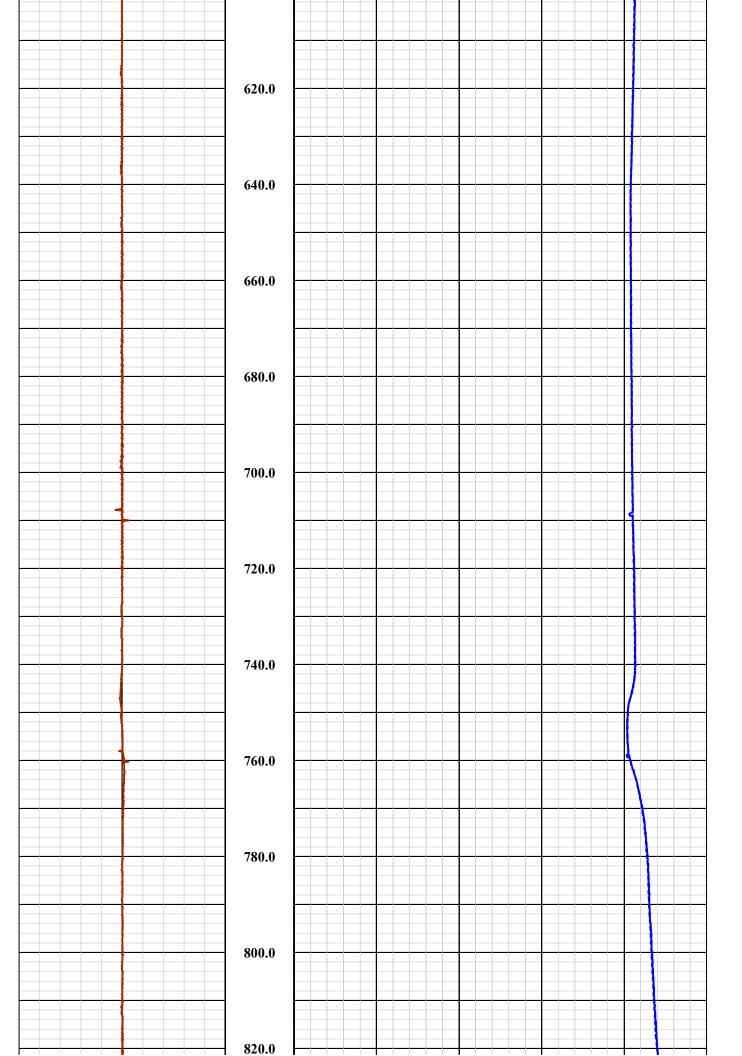
Disclaimer:

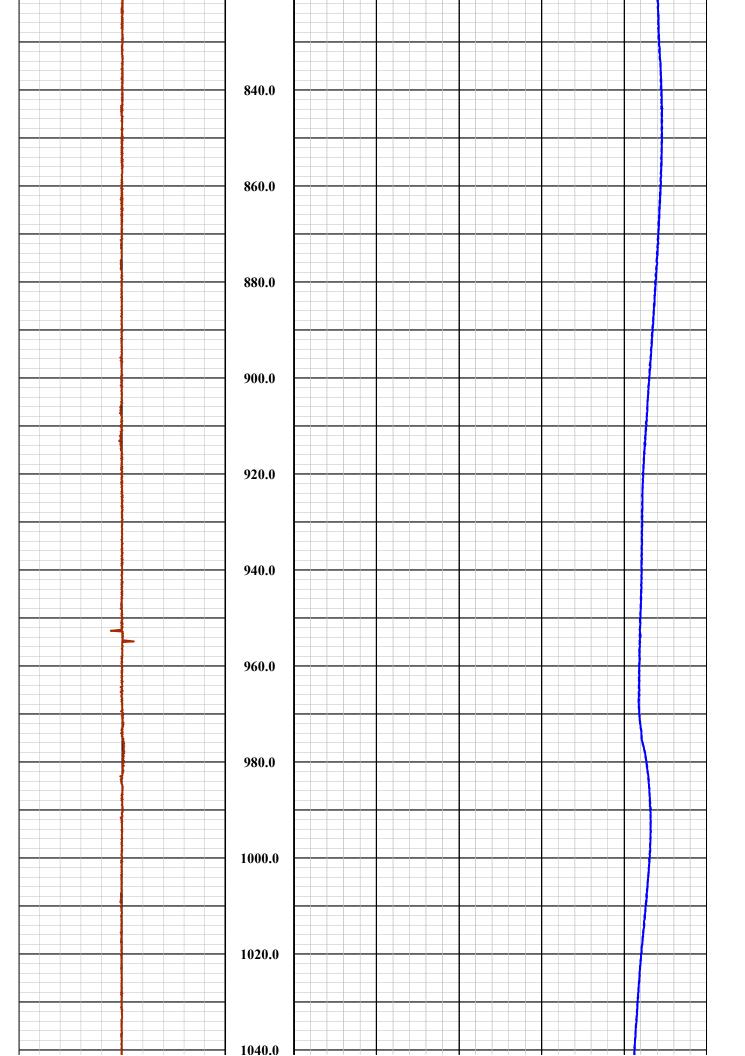
All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretations or recommendations and shall not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our employees or agents. These interpretations are also subject to our general terms and conditions set out in our current Service Invoice.

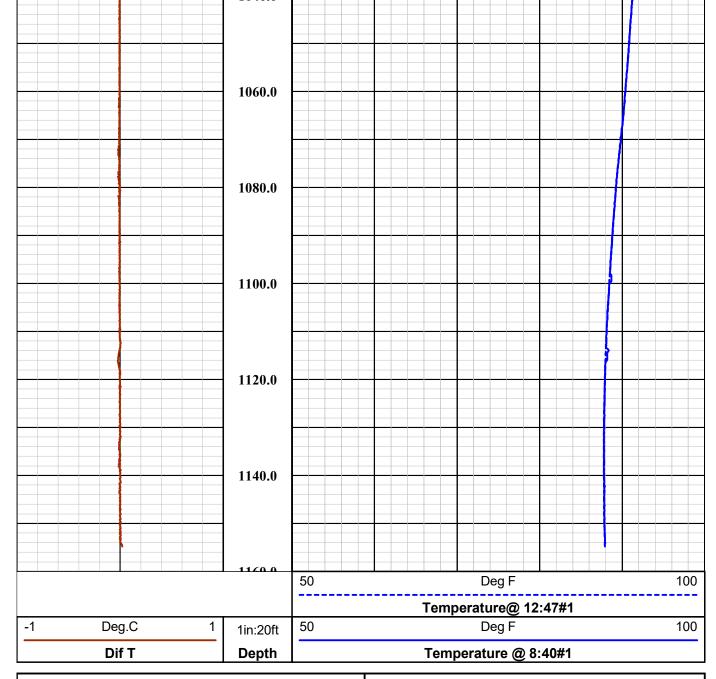














Well WESTBAY WELL 1
Field WELL FIELD
County PINAL
State ARIZONA

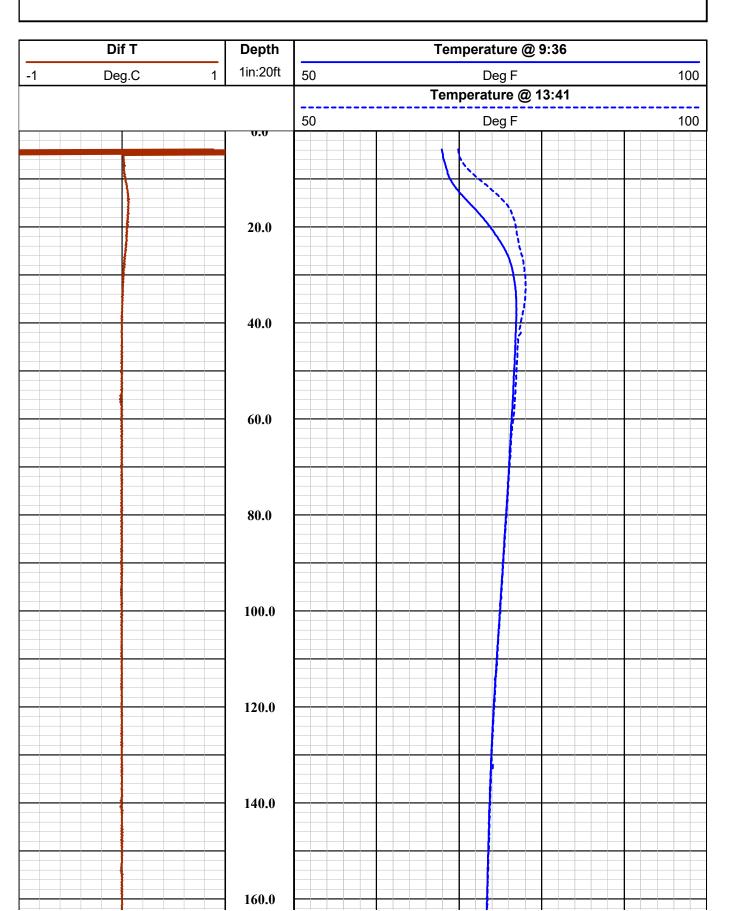
								NTS:	COMMENTS:
TOTAL DEPTH	ACE	SURFACE	STEEL	5 IN.	TOTAL DEPTH	ACE	SURFACE	? IN.	
ТО	1	FROM	WGT.	SIZE	ТО		FROM	BIT	NO.
			ECORD	CASING RECORD		D	E RECOR	BOREHOLE RECORD	RUN
	06:00		LOG TIME: ON SITE/OFF SITE	LOG TIM	COPPER	FLORENCE COPPER		SED BY	WITNESSED BY
MSI DLP TEMP SN 1418	MSI DL		NG/SN	TOOL STRING/SN		T. GODSEY	gging Eng.	RECORDED BY / Logging Eng.	RECORL
BLE	PORTABLE		TRUCK	LOGGING TRUCK		N/A		R/RIG#	DRILLER / RIG#
	0.2 FT.		SAMPLE INTERVAL	SAMPLE		SURFACE	RVAL	TOP LOGGED INTERVAL	TOP LOC
	N/A		IMAGE ORIENTED TO:	IMAGE O		1157 FT	RVAL	BTM LOGGED INTERVAL	BTM LO
3G F	94.1 DEG F		C. TEMP.	MAX. REC. TEMP.		1157 FT		OGGER	DEPTH-LOGGER
Т.	~ 238 FT.			LEVEL		1200 FT		DEPTH-DRILLER	DEPTH-I
	N/A		SITY	VISCOSITY	TURE	TEMPERATURE)G	TYPE LOG
	N/A		MUD WEIGHT	MUD \		1 & 2			RUN No
VATER	ACID WATER		TYPE FLUID IN HOLE	TYPE FLU		12/1/20			DATE
	G.L.					DRILLING MEAS. FROM TOP OF CASING	ROM TOP	IG MEAS. FI	DRILLIN
	D.F.		MU	ABOVE PERM. DATUM	ABOVE	TOP OF CASING	TOI	LOG MEAS. FROM	LOG ME
	K.B.		Z	ELEVATION			X	PERMANENT DATUM	PERMAN
			H	RGE	TWP		SEC		
						LOCATION	LOC		
	N/A				N/A	MORE:	Z		
OTHER SERVICES	OTHER		URE	PERAT	TYPE OF LOGS: TEMPERATURE	VPE OF I]		
ONA	ARIZONA	STATE	ST		PINAL	COUNTY	СС		
					WELL FIELD	FIELD	FII		
				ELL 2	WESTBAY WELL 2	WELL ID	W		
				OPPER	FLORENCE COPPER	COMPANY	CC		
V	VICES	Ser	x video	ysics	porenoie geophysics & video services	porenic	V	Á	
<u> </u>	;; 		7 Lido		do acosb	h0"0h0			
ň	Ē	ora	Exploration LC		Southwest Services, L	Ser	XXD+		
	N. C.				The legal to				

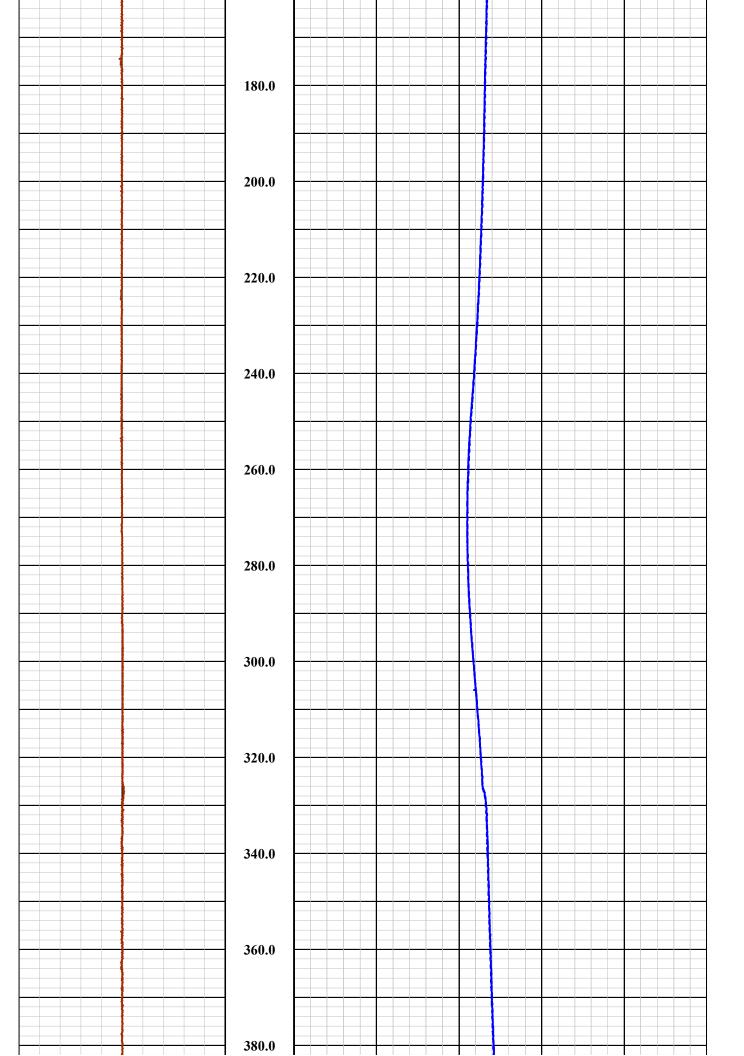
Date	12/1/20	Date	12/1/20	Date	
Run No.	1	Run No.	2	Run No.	3
Tool Model	MSI DLP TEMP	Tool Model	MSI DLP TEMP	Tool Model	
Tool SN	1418	Tool SN	1418	Tool SN	
From	SURFACE	From	SURFACE	From	
То	1157 FT	То	1157 FT	То	
Recorded By	T. GODSEY	Recorded By	T. GODSEY	Recorded By	
Truck No	PORTABLE	Truck No	PORTABLE	Truck No	
Operation Check	11/30/20	Operation Check	11/30/20	Operation Check	
			11/00/20		
Calibration Check	11/30/20	Calibration Check		Calibration Check	
Calibration Check Time Logged Date	11/30/20 09:36				
Time Logged		Calibration Check Time Logged	11/30/20	Calibration Check Time Logged	
Time Logged		Calibration Check Time Logged	11/30/20	Calibration Check Time Logged	6
Time Logged Date	09:36	Calibration Check Time Logged Date	11/30/20 13:41	Calibration Check Time Logged Date	
Time Logged Date Run No.	09:36	Calibration Check Time Logged Date Run No.	11/30/20 13:41	Calibration Check Time Logged Date Run No.	
Time Logged Date Run No. Tool Model	09:36	Calibration Check Time Logged Date Run No. Tool Model	11/30/20 13:41	Calibration Check Time Logged Date Run No. Tool Model	
Time Logged Date Run No. Tool Model Tool SN	09:36	Date Run No. Tool Model Tool SN	11/30/20 13:41	Date Run No. Tool Model Tool SN	
Time Logged Date Run No. Tool Model Tool SN From	09:36	Date Run No. Tool Model Tool SN From	11/30/20 13:41	Date Run No. Tool Model Tool SN From	
Time Logged Date Run No. Tool Model Tool SN From	09:36	Date Run No. Tool Model Tool SN From To	11/30/20 13:41	Date Run No. Tool Model Tool SN From To	
Time Logged Date Run No. Tool Model Tool SN From To Recorded By	09:36	Date Run No. Tool Model Tool SN From To Recorded By	11/30/20 13:41	Date Run No. Tool Model Tool SN From To Recorded By	
Time Logged Date Run No. Tool Model Tool SN From To Recorded By Truck No	09:36	Calibration Check Time Logged Date Run No. Tool Model Tool SN From To Recorded By Truck No	11/30/20 13:41	Date Run No. Tool Model Tool SN From To Recorded By Truck No	6

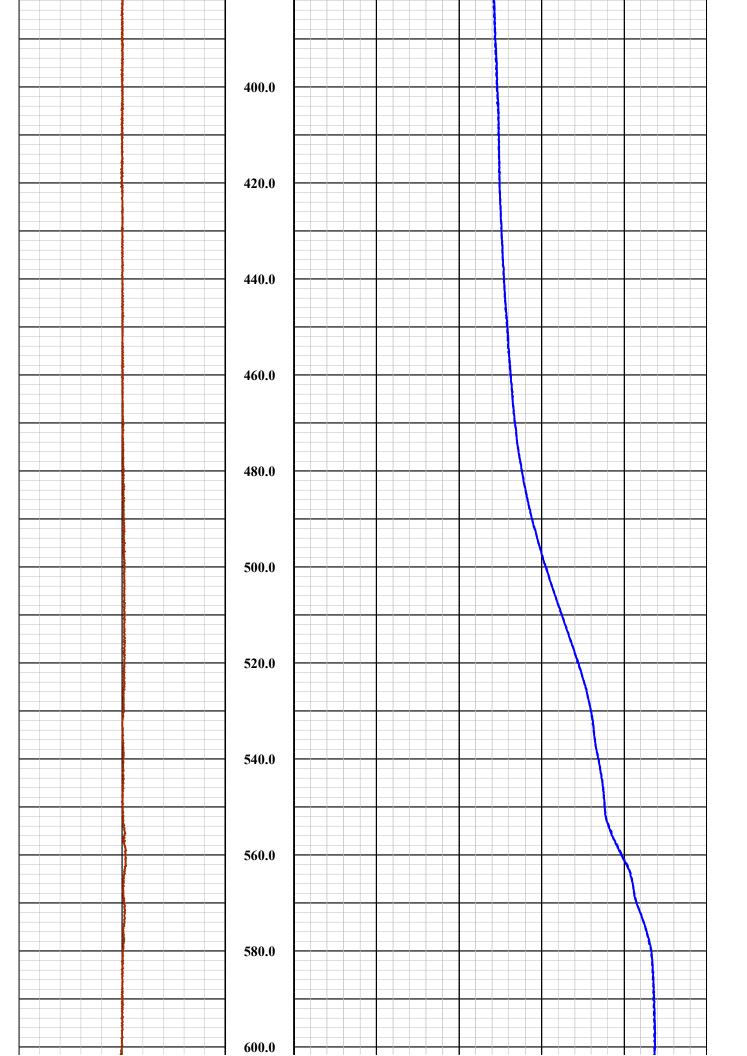
I	E-Log Calibration Range: _	N/A	Calibration Points:	N/A	_	1
ı						1
I						1
ı						1
1						i

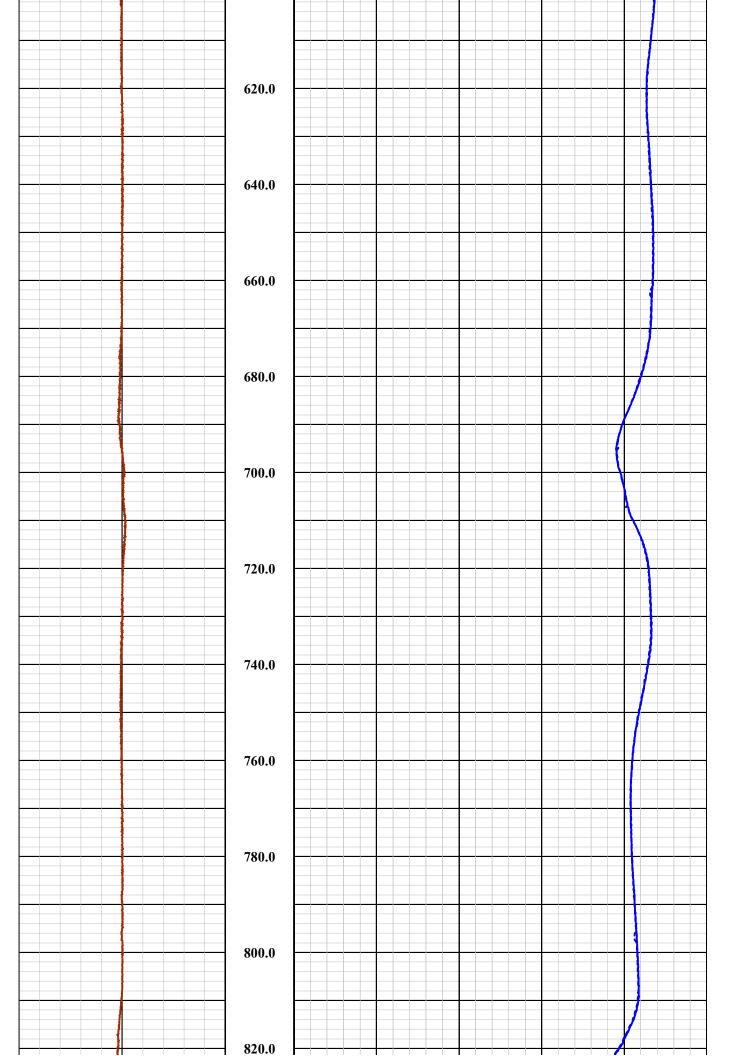
Disclaimer:

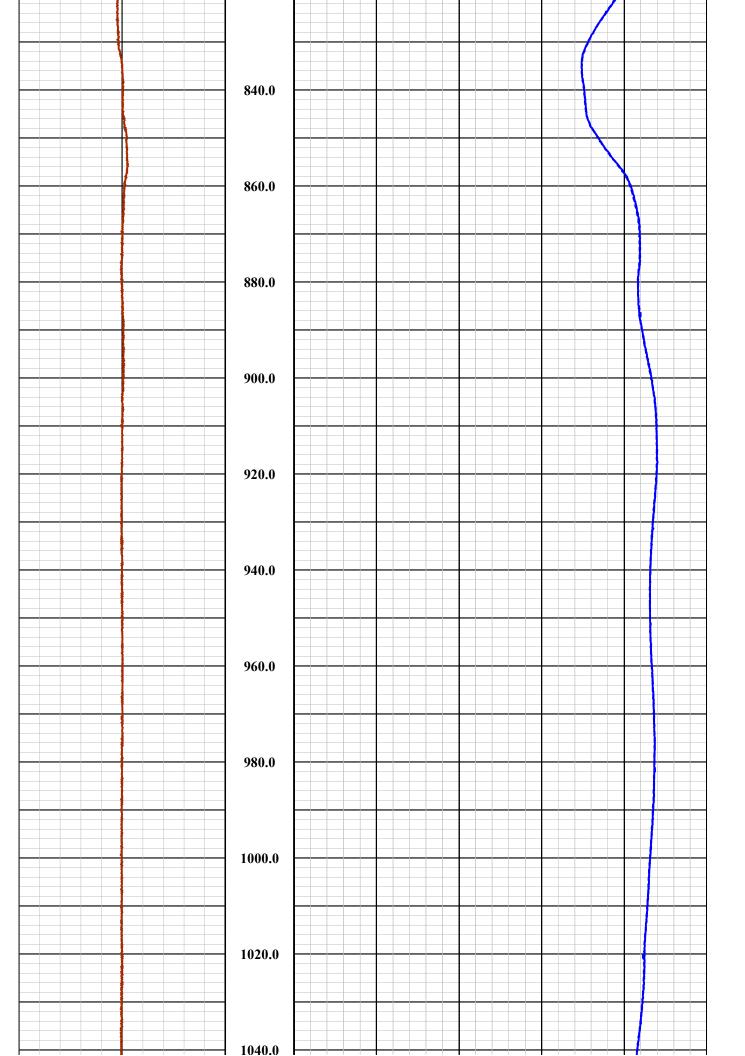
All interpretations of log data are opinions based on inferences from electrical or other measurements. We do not guarantee the accuracy or correctness of any interpretations or recommendations and shall not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our employees or agents. These interpretations are also subject to our general terms and conditions set out in our current Service Invoice.

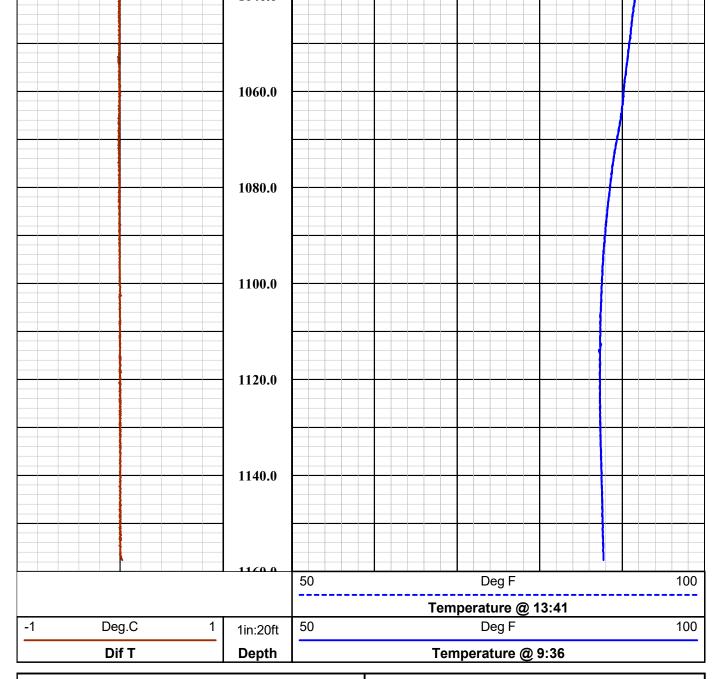














Well WESTBAY WELL 2
Field WELL FIELD
County PINAL
State ARIZONA

		-		•			-	NTS:	COMMENTS:
TOTAL DEPTH	ACE	SURFACE	STEEL	5 IN.	TOTAL DEPTH	ACE	SURFACE	? IN.	
ТО	1	FROM	WGT.	SIZE	ТО		FROM	BIT	NO.
			ECORD	CASING RECORD		D	E RECOR	BOREHOLE RECORD	RUN
	06:00		LOG TIME:ON SITE/OFF SITE	LOG TIMI	COPPER	FLORENCE COPPER		SED BY	WITNESSED BY
MSI DLP TEMP SN 1418	MSI DL		UNG/SN	TOOL STRING/SN		T. GODSEY	ging Eng.	RECORDED BY / Logging Eng.	RECORL
	310		TRUCK	LOGGING TRUCK		N/A		R/RIG#	DRILLER / RIG#
	0.2 FT.		SAMPLE INTERVAL	SAMPLE I		SURFACE	(VAL	TOP LOGGED INTERVAL	TOP LOC
	N/A		IMAGE ORIENTED TO:	IMAGE O		1146 FT	RVAL	BTM LOGGED INTERVAL	BTM LO
3G F	94.5 DEG F		TEMP.	MAX. REC. TEMP.		1146 FT		OGGER	DEPTH-LOGGER
Т.	\sim 247 FT.			LEVEL		1200 FT		DEPTH-DRILLER	DEPTH-I
	N/A		SITY	VISCOSITY	TURE	TEMPERATURE		G	TYPE LOG
	N/A		MUD WEIGHT	MUD V		1 & 2			RUN No
VATER	ACID WATER		TYPE FLUID IN HOLE	TYPE FLU		12/1/20			DATE
	G.L.					DRILLING MEAS. FROM TOP OF CASING	ROM TOI	IG MEAS. FF	DRILLIN
	D.F.		MU.	ABOVE PERM. DATUM	ABOVE	TOP OF CASING	TOI	LOG MEAS. FROM	LOG ME
	K.B.		Z	ELEVATION			X	PERMANENT DATUM	PERMAN
			(TI	RGE	TWP		SEC		
						LOCATION	LOC		
	N/A				N/A	MORE:	Z		
OTHER SERVICES	OTHER N/A		URE	PERAT	TYPE OF LOGS: TEMPERATURE	VPE OF I			
ONA	ARIZONA	STATE	ST		PINAL	COUNTY	СС		
					WELL FIELD	FIELD	FII		
				ELL 3	WESTBAY WELL 3	WELL ID	W		
				OPPER	FLORENCE COPPER	COMPANY	CC		
		2	, v	yoloo		2	V	Á	
"	ices	200	د video	veice s	horehole geophysics & video services	horeho			
ň	Ė	ora	Exploration LC		Southwest Services, L	Ser	XXDI	2	

Date	12/1/20	Date	12/1/20	Date	
Run No.	1	Run No.	2	Run No.	3
Tool Model	MSI DLP TEMP	Tool Model	MSI DLP TEMP	Tool Model	
Tool SN	1418	Tool SN	1418	Tool SN	
From	SURFACE	From	SURFACE	From	
То	1146 FT	То	1146 FT	То	
Recorded By	T. GODSEY	Recorded By	T. GODSEY	Recorded By	
Truck No	PORTABLE	Truck No	PORTABLE	Truck No	
Operation Check	11/30/20	Operation Check	11/30/20	Operation Check	
			1 1/ JU/ EU		
Calibration Check	11/30/20	Calibration Check		Calibration Check	
Time Logged	11/30/20 07:46				
Time Logged		Calibration Check Time Logged	11/30/20	Calibration Check Time Logged	
		Calibration Check Time Logged	11/30/20	Calibration Check Time Logged	6
Time Logged Date	07:46	Calibration Check Time Logged Date	11/30/20 11:48	Calibration Check Time Logged Date	6
Time Logged Date Run No.	07:46	Calibration Check Time Logged Date Run No.	11/30/20 11:48	Calibration Check Time Logged Date Run No.	6
Time Logged Date Run No. Tool Model	07:46	Calibration Check Time Logged Date Run No. Tool Model	11/30/20 11:48	Calibration Check Time Logged Date Run No. Tool Model	6
Time Logged Date Run No. Tool Model Tool SN	07:46	Date Run No. Tool Model Tool SN	11/30/20 11:48	Date Run No. Tool Model Tool SN	6
Time Logged Date Run No. Tool Model Tool SN From	07:46	Date Run No. Tool Model Tool SN From	11/30/20 11:48	Date Run No. Tool Model Tool SN From	6
Time Logged Date Run No. Tool Model Tool SN From	07:46	Date Run No. Tool Model Tool SN From To	11/30/20 11:48	Date Run No. Tool Model Tool SN From To	6
Time Logged Date Run No. Tool Model Tool SN From To Recorded By	07:46	Date Run No. Tool Model Tool SN From To Recorded By	11/30/20 11:48	Date Run No. Tool Model Tool SN From To Recorded By	6
Time Logged Date Run No. Tool Model Tool SN From To Recorded By Truck No	07:46	Calibration Check Time Logged Date Run No. Tool Model Tool SN From To Recorded By Truck No	11/30/20 11:48	Date Run No. Tool Model Tool SN From To Recorded By Truck No	6

sclaimer:		
the accuracy or correctness of any costs, damages, or expenses incur	interpretations or recomm red or sustained by anyor	es from electrical or other measurements. We do not guarante nendations and shall not be liable or responsible for any loss, ne resulting from any interpretation made by any of our employ eral terms and conditions set out in our current Service Invoice

Deg F

Temperature @ 11:48

Deg F

100

100

1in:20ft

20.0

40.0

60.0

80.0

100.0

120.0

140.0

160.0

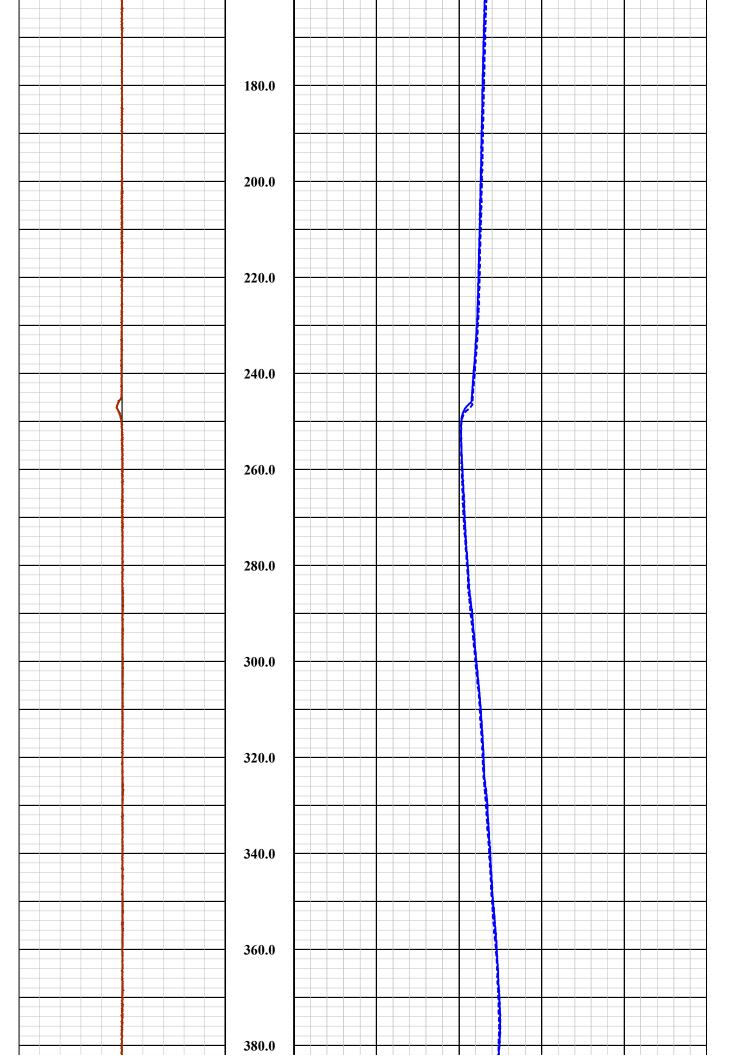
50

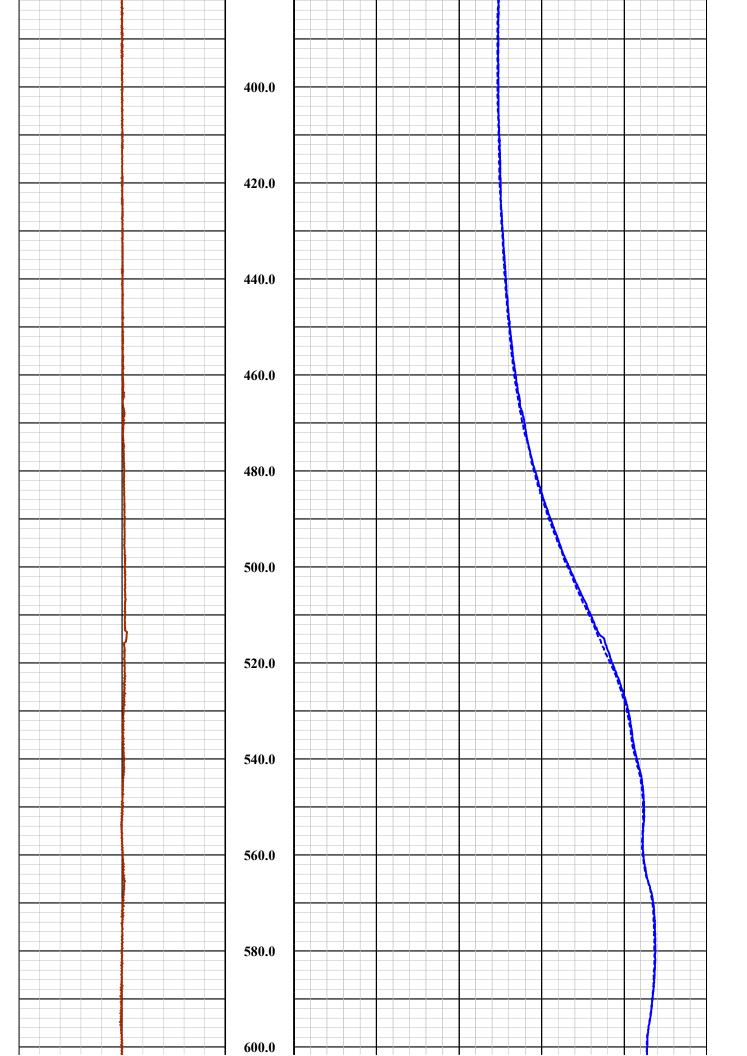
50

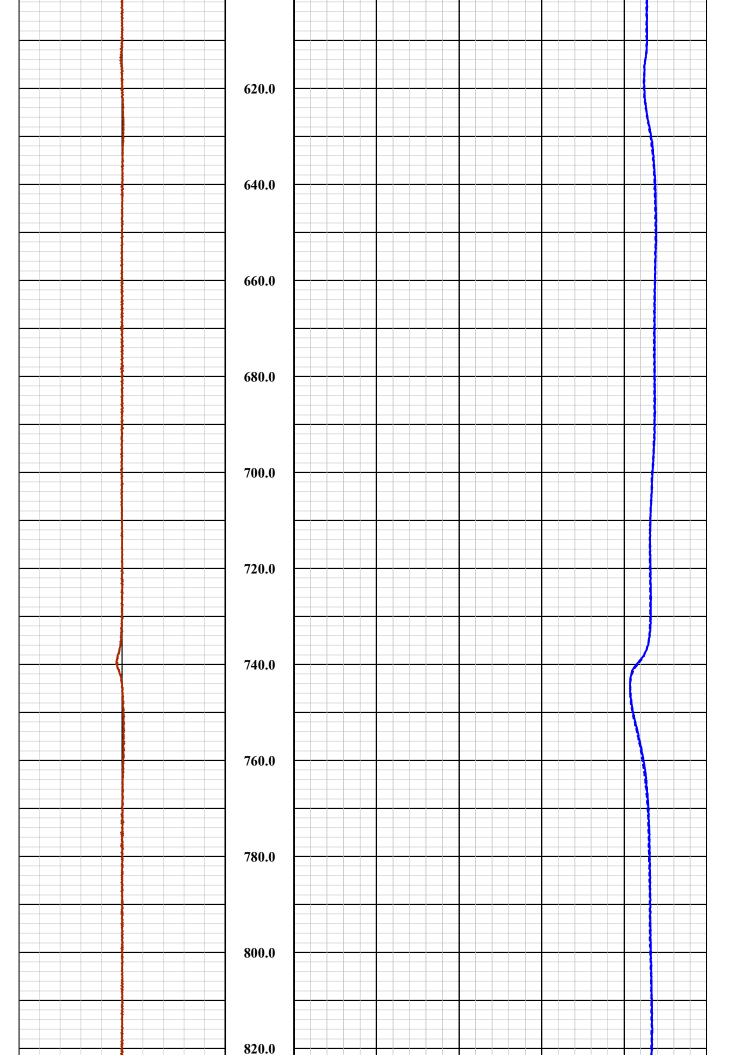
1

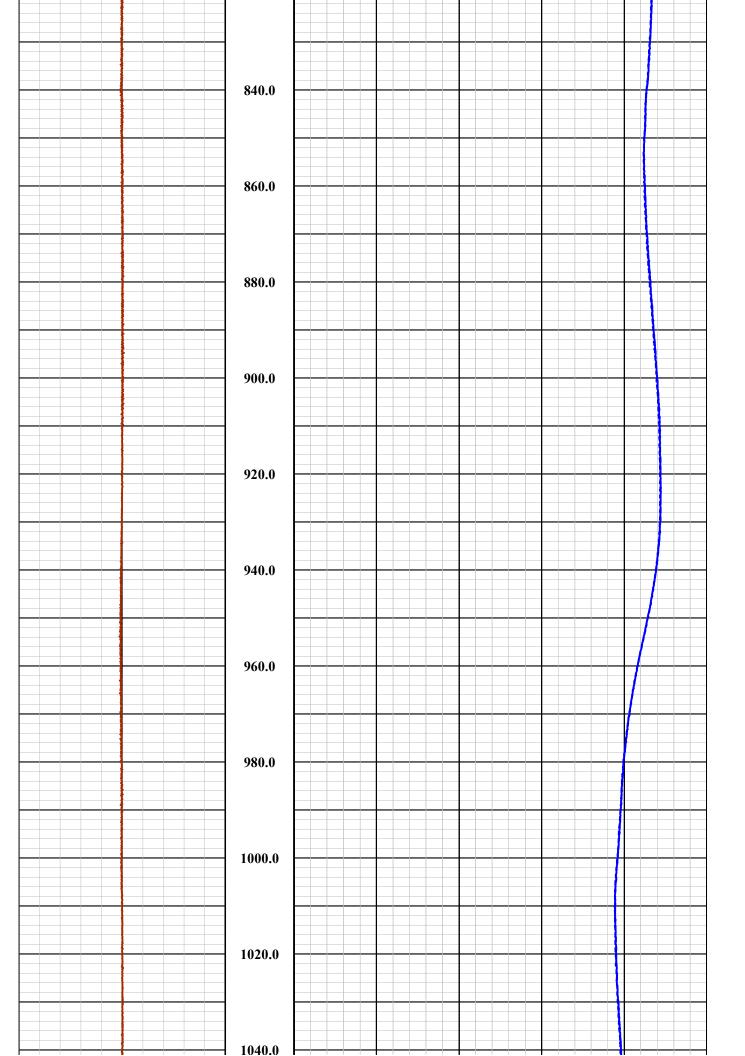
Deg.C

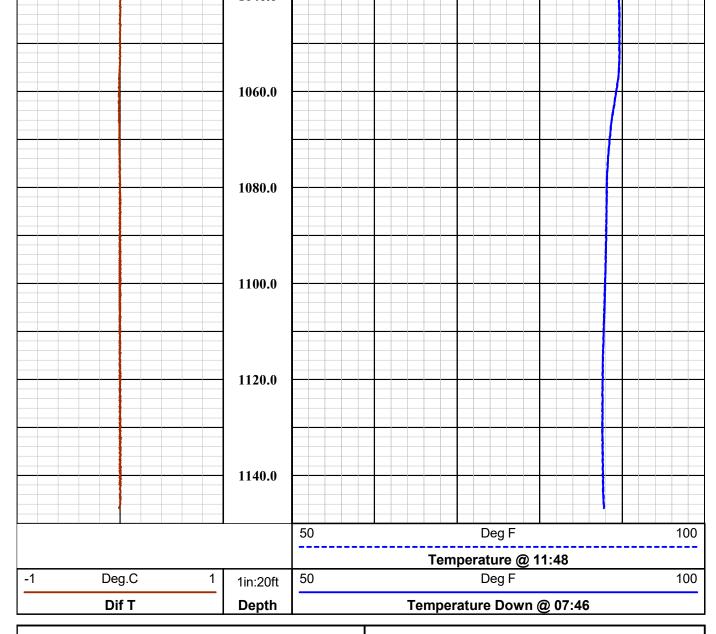
-1













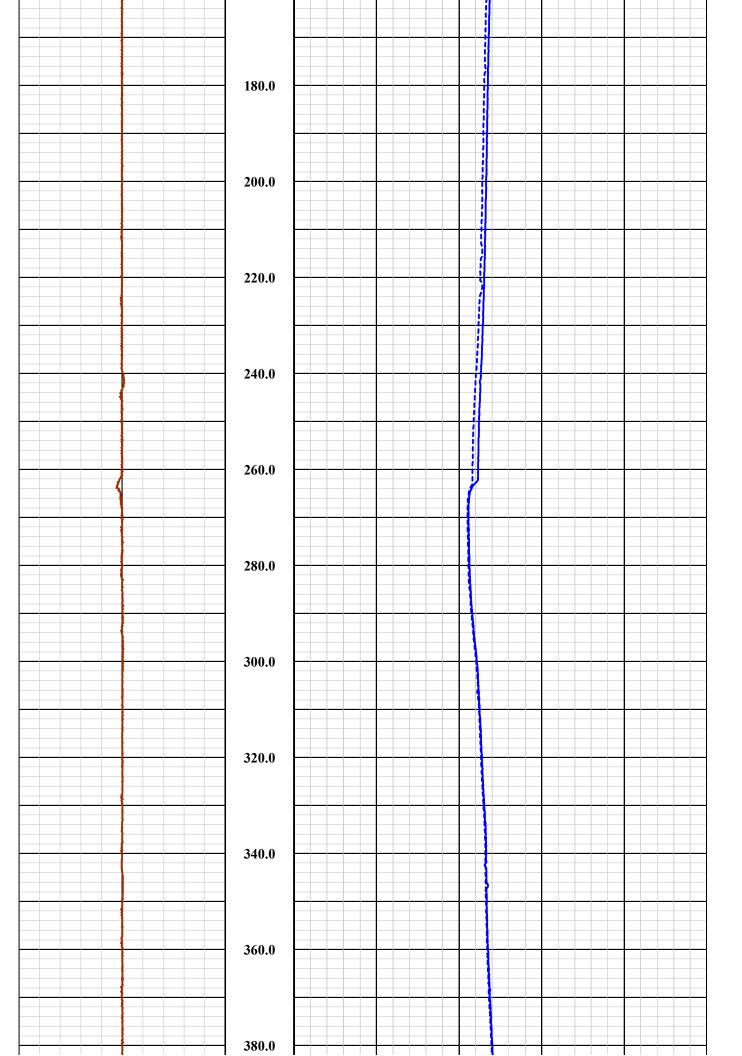
Well WESTBAY WELL 3
Field WELL FIELD
County PINAL
State ARIZONA

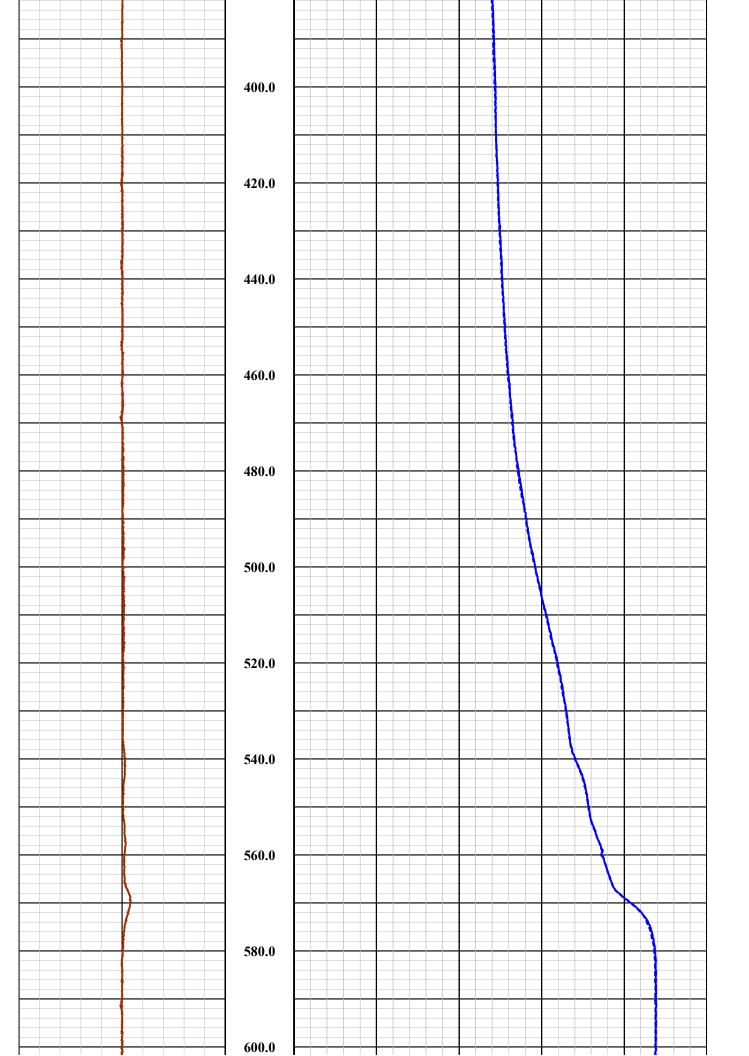
			-	•	•		-	NTS:	COMMENTS:
TOTAL DEPTH	SURFACE	SURI	STEEL	5 IN.	TOTAL DEPTH	ACE	SURFACE	? IN.	
ТО	M	FROM	WGT.	SIZE	ТО		FROM	BIT	NO.
			ECORD	CASING RECORD		D	E RECOR	BOREHOLE RECORD	RUN
)0	06:0	FF SITE	LOG TIME: ON SITE/OFF SITE 06:00	LOG TIME	COPPER	FLORENCE COPPER		SED BY	WITNESSED BY
MSI DLP TEMP SN 1418	MSI		ING/SN	TOOL STRING/SN		T. GODSEY	ging Eng.	RECORDED BY / Logging Eng.	RECORD
	310		TRUCK	LOGGING TRUCK		N/A		(/RIG#	DRILLER / RIG#
T.	0.2 FT.		NTERVAL	SAMPLE INTERVAL		SURFACE	VAL	TOP LOGGED INTERVAL	TOP LOC
	N/A		IMAGE ORIENTED TO:	IMAGE OR		1158 FT	RVAL	BTM LOGGED INTERVAL	BTM LO
94.3 DEG F	94.3		TEMP.	MAX. REC. TEMP.		1158 FT		OGGER	DEPTH-LOGGER
~ 262 FT.	~ 26:			LEVEL		1200 FT		RILLER	DEPTH-DRILLER
	N/A		SITY	VISCOSITY	TEMPERATURE-FLUID RES.	TEMPERAT		G	TYPE LOG
	N/A		MUD WEIGHT	MUD W		1 & 2			RUN No
ACID WATER	ACII		TYPE FLUID IN HOLE	TYPE FLU		12/1/20			DATE
	G.L.					DRILLING MEAS. FROM TOP OF CASING	OM TOP	G MEAS. FR	DRILLIN
	D.F.		MU	ABOVE PERM. DATUM	ABOVE	TOP OF CASING	TOP	LOG MEAS. FROM	LOG ME.
	K.B.		4	ELEVATION			Z	PERMANENT DATUM	PERMAN
			(II)	RGE	TWP		SEC		
						LOCATION	LOC		
,	Ş				N/A	MORE:	X		
OTHER SERVICES	HTO		ORE	PERATU	TYPE OF LOGS: TEMPERATURE	PE OF I			
ARIZONA	ARI	STATE	ST		PINAL	COUNTY	СО		
					WELL FIELD	FIELD	FIE		
				ELL 4	WESTBAY WELL 4	WELL ID	WI		
				OPPER	FLORENCE COPPER	COMPANY	СО		
	3	3	3	000	9000		Ų	Á	
es	≦.	Ser	, videc	sics &	horehole geophysics & video services	horeho			
on on			CX	StE	Southwest Exploration Services, LLC	Ser		\sum_{i}	
	i i				g 5				

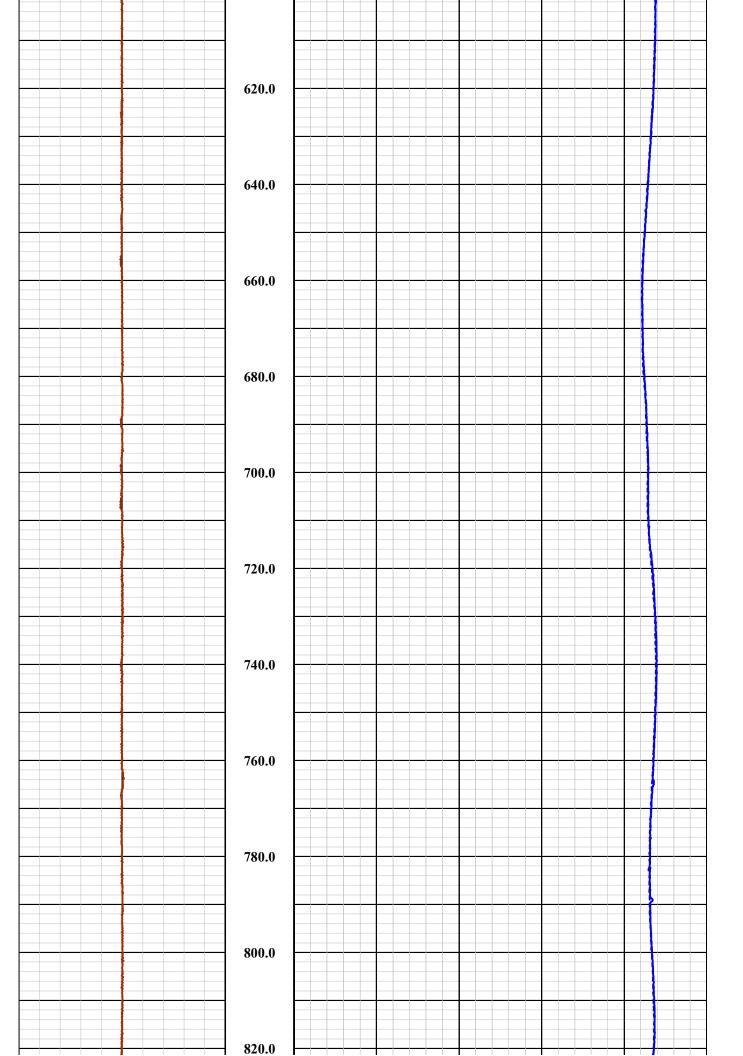
Date	12/1/20	Date	12/1/20	Date	
Run No.	1	Run No.	2	Run No.	3
Tool Model	DLP TEMP	Tool Model	DLP TEMP	Tool Model	
Tool SN	1418	Tool SN	1418	Tool SN	
From	SURFACE	From	SURFACE	From	
То	1158 FT	То	1158 FT	То	
Recorded By	T. GODSEY	Recorded By	T. GODSEY	Recorded By	
Truck No	PORTABLE	Truck No	PORTABLE	Truck No	
Operation Check	11/30/20	Operation Check	11/30/20	Operation Check	
Calibration Check	11/30/20	Calibration Check	11/30/20	Calibration Check	
Cambration Check	11/30/20	Calibration Check	11/30/20	Cambration Chicon	
Time Logged	06:40	Time Logged Date	10:40	Time Logged Date	
Time Logged		Time Logged		Time Logged	
Time Logged Date	06:40	Time Logged		Time Logged	6
Time Logged		Time Logged Date Run No.	10:40	Time Logged Date Run No.	6
Time Logged Date Run No.	06:40	Time Logged Date	10:40	Time Logged Date	6
Time Logged Date Run No. Tool Model	06:40	Date Run No. Tool Model	10:40	Date Run No. Tool Model	6
Time Logged Date Run No. Tool Model Tool SN	06:40	Date Run No. Tool Model Tool SN	10:40	Date Run No. Tool Model Tool SN	6
Time Logged Date Run No. Tool Model Tool SN From	06:40	Date Run No. Tool Model Tool SN From	10:40	Date Run No. Tool Model Tool SN From	6
Time Logged Date Run No. Tool Model Tool SN From	06:40	Date Run No. Tool Model Tool SN From To	10:40	Date Run No. Tool Model Tool SN From To	6
Time Logged Date Run No. Tool Model Tool SN From To Recorded By	06:40	Date Run No. Tool Model Tool SN From To Recorded By	10:40	Date Run No. Tool Model Tool SN From To Recorded By	6
Time Logged Date Run No. Tool Model Tool SN From To Recorded By Truck No	4	Date Run No. Tool Model Tool SN From To Recorded By Truck No	10:40	Date Run No. Tool Model Tool SN From To Recorded By Truck No	6

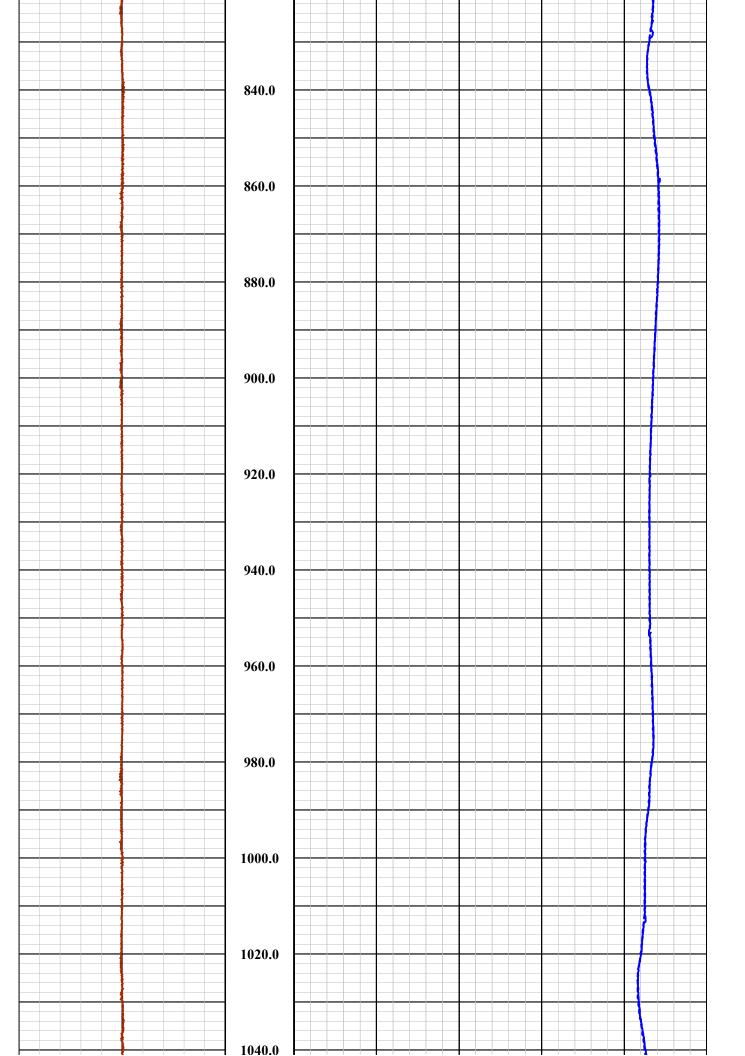
E-Log Calibration Range: N/A	Calibration Points: N/A
Disclaimer:	
the accuracy or correctness of any interpretations of costs, damages, or expenses incurred or sustained	inferences from electrical or other measurements. We do not guarantee r recommendations and shall not be liable or responsible for any loss, by anyone resulting from any interpretation made by any of our employees our general terms and conditions set out in our current Service Invoice.

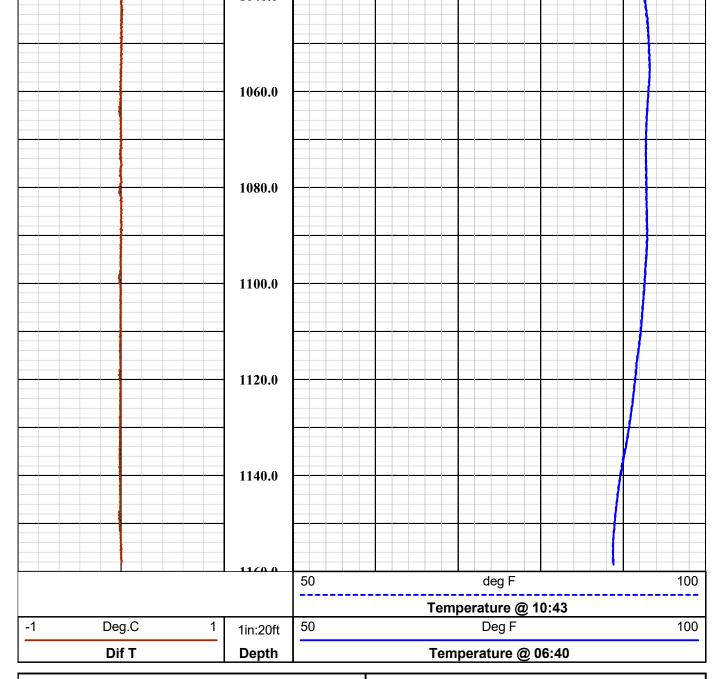
Dif T	Depth	Temperature @ 06:40									
-1 Deg.C	1 1in:20ft	50			Deg F			10			
		Temperature @ 10:43									
		50			deg F			10			
	0.0										
				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \							
	20.0										
	40.0										
				`							
	60.0										
	80.0										
					0						
	100.0										
	100.0										
	120.0										
	140.0										
	170.0				11						
	160.0										













Well WESTBAY WELL 4
Field WELL FIELD
County PINAL
State ARIZONA

APPENDIX C

Daily Average Flow Rates and Water Level Elevations

APPENDIX C-1 DAILY AVERAGE FLOW RATES FOR INJECTION AND RECOVERY WELLS DURING TEMPERATURE LOGGING

FLORENCE COPPER, INC.

FLORENCE, ARIZONA

	Daily Average Flow Rate in Gallons per Minute													
Date	I-01	I-02	I-03*	I-04	R-01	R-02	R-03	R-04	R-05	R-06	R-07	R-08	R-09	O-03
12/1/2020	34.96	35.86	0.00	36.23	7.58	7.43	10.10	9.40	9.60	7.42	12.63	9.90	40.00	5.35

^{*}I-03 down for MIT

APPENDIX C-2

DAILY AVERAGE WATER LEVEL ELEVATIONS

DURING TEMPERATURE LOGGING

FLORENCE COPPER, INC.

FLORENCE, ARIZONA

Date	Daily Average Water Level Elevation in Feet Above Mean Sea Level															
Date	R-01	R-02	R-03	R-04	R-05	R-06	R-07	R-08	R-09	0-01	O-02	O-03	O-04	O-05	0-06	O-07
12/1/2020	1232.25	1228.64	1129.37	1166.75	1197.13	1209.34	1242.75	1238.12	1213.96	1244.30	1245.43	1242.32	1245.35	1255.14	1245.04	1245.51